

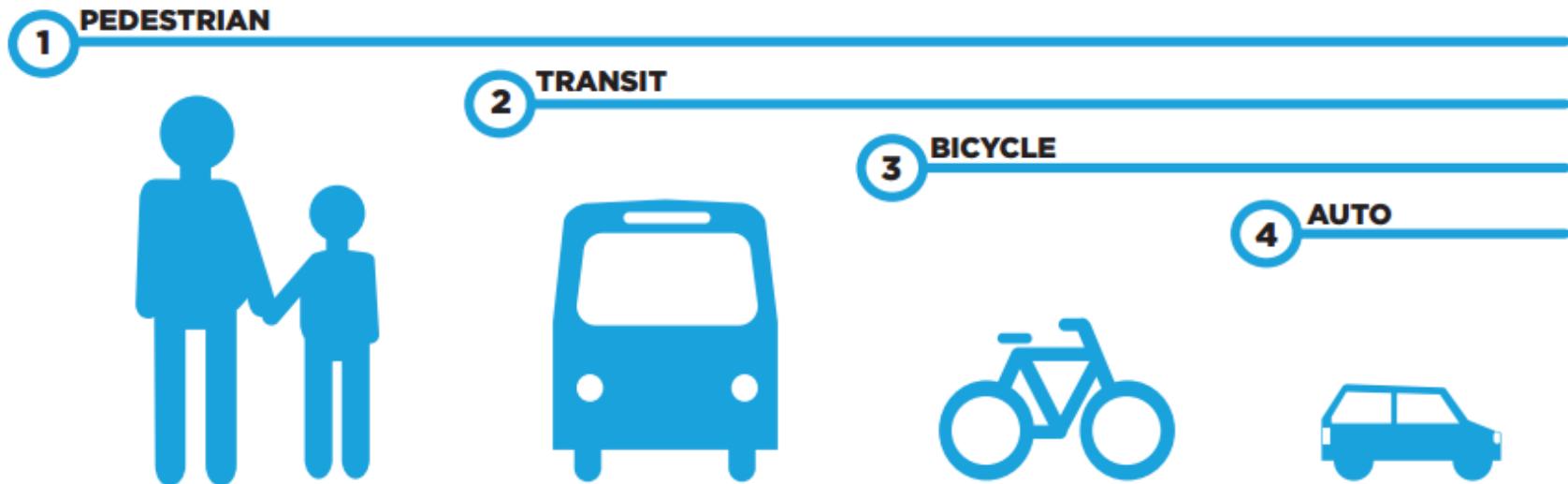


# **Monroe Avenue Complete Streets**

**Community Meeting #2  
September 4, 2014**

# Complete Streets

*"Streets that are designed to consider the safety and convenience of all users of the transportation system including pedestrians, bicyclists, transit users, freight, and motor vehicle drivers and ensure that the needs of all users shall be accommodated and balanced so that even the most vulnerable – children, elderly, and persons with disabilities – can travel safely within the public right-of way."*





# City Plans and Policies

- **City Council Goal #3:** A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians
- **Complete Streets Policy:** Alexandria shall incorporate Complete Streets infrastructure into existing public streets to improve the safety and convenience of users and construct and enhance the transportation network for all users
- **Transportation Master Plan:** Implement a citywide bikeway network to serve all users and trip types, provide end-of-trip facilities, improve bicycle/transit integration, implement encouragement programs and improve safety
- **Pedestrian and Bicycle Mobility Plan**



# Monroe Avenue Project Background and Civic Engagement

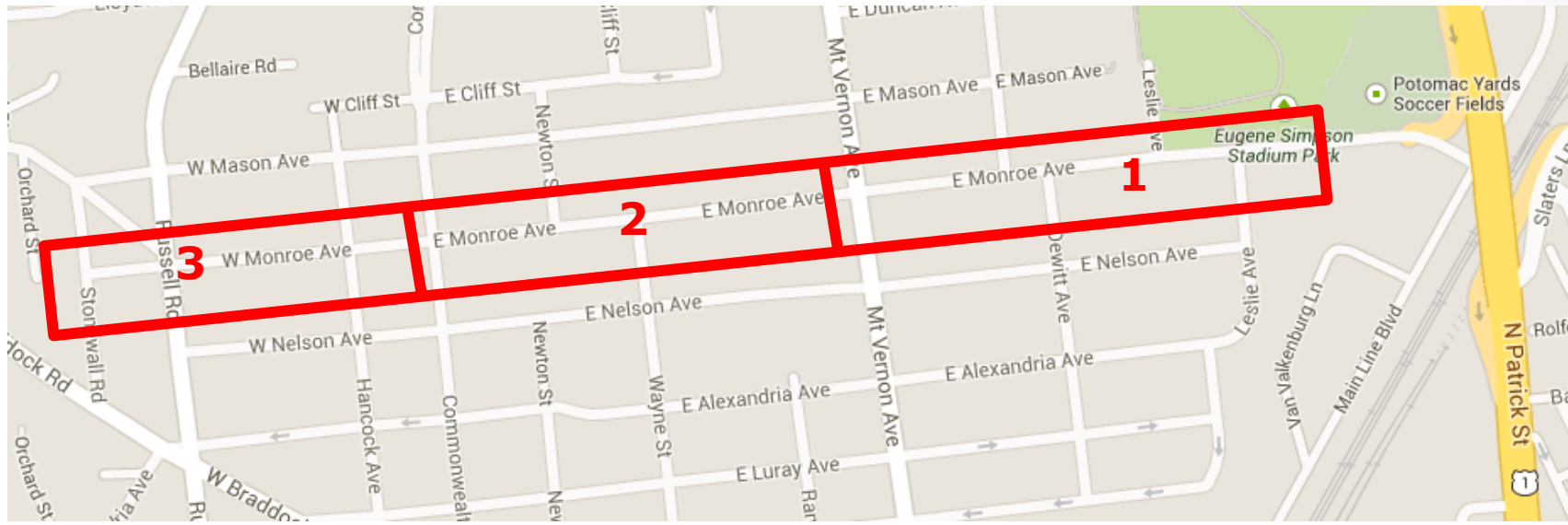
- Spring 2013 – Community requests for traffic calming on Monroe Ave.
- September 2013 - Data collection
- October 2013 - Community meeting
- February 2014 – Monroe Ave. listed on resurfacing schedule
- March 2014 - Expanded project scope to include Complete Streets design
- May 2014 – Public meeting #1
- **Sept 2014 – Public meeting #2**



# Public Meeting #2

- Information gathered at meeting #1
- Present proposals based on comments
- Break into tables for more detailed discussion
- Report back on general themes/concerns
- Additional Comments
  - Comment forms
  - Email comments
- Next Steps
  - Meetings
  - Email group for follow up

# Project Limits



- Section 1: Leslie Ave. to Mt. Vernon Ave.
- Section 2: Mt. Vernon Ave. to Commonwealth Ave.
- Section 3: Commonwealth Ave. to Stonewall Rd.



# Comments from last meeting

Comments	Issue	Category
1 More speed limit signs on W Monroe	Speeding	signage
2 Install crosswalks for side streets	Pedestrian safety	markings
3 Install crosswalk across Monroe near Wayne and Newton	Pedestrian safety	markings
4 Install pedestrian countdown signals at Commonwealth & Russell	Pedestrian safety	signals
5 Install edge lines to narrow WB travel lane where parking is not permitted	Speeding	markings
6 Add sharrows between Mt Vernon and Russell	Bicycle Access	markings
7 Add bike lanes between Mt Vernon and Leslie	Bicycle Access	markings
8 Width of Monroe approaching Mainline is too narrow	Safety	parking
9 Provide speed cushions to reduce speeds	Speeding	construction
10 Need more parking along Monroe Avenue	Parking	parking
11 Concern that new bike lanes would end at Leslie and not connect to Potomac Yard path	Bicycle safety	markings
12 Sight distance from Leslie onto Monroe is poor	Parking	signage
13 Improve crossing at Russell	Pedestrian safety	markings
14 Enhance crosswalks on Monroe between Leslie and Mt Vernon	Pedestrian safety	markings
15 Reconstruct and widen sidewalks	Pedestrian safety	construction
16 Fix potholes	Maintenance	maintenance
17 Install stop sign at Hancock	Speeding	signage
18 Install stop sign at Wayne/Newton	Speeding	signage
19 Install SLOW: Watch for Children signs	Pedestrian safety	signage
20 Install crosswalk across Monroe at Hancock	Pedestrian safety	markings
21 Add No Right on Red signage at Mt. Vernon	Pedestrian safety	signage
22 Install bike boxes at Mt Vernon and Russell	Bicycle safety	markings
23 Mark parking spaces 15' from the crosswalks so vehicles do not park to crosswalk	Pedestrian safety	markings/signage
24 Study parking capacity on weekends	Parking	planning
25 Install STOP HERE markings on WB Monroe at Mt Vernon	Pedestrian safety	markings
26 Pedestrian crosswalk for cars existing Rt 1 needs more markings/rumble strips	Pedestrian safety	markings
27 Vehicle speeds turning from Commonwealth onto Monroe too high	Speeding	construction
28 Provide a protected bike path	Bicycle Safety	construction
29 Remove parking to create a boulevard effect with bike lanes and wide sidewalks	Pedestrian safety	construction
30 Provide separate facilities for pedestrians, bicyclist and motor vehicles	Multimodal needs	markings
31 Provide gateway features at entrance to Monroe	Streetscape	signage
32 Move power lines underground	Streetscape	construction
33 Create tree lined median strip	Streetscape	construction
34 Drivers fail to yield to pedestrians in crosswalks	Pedestrian safety	marking/signage
35 Parking should not be installed where it currently does not exist	Parking	signage
36 Provide a parking stop so people can not park in NO PARKING areas (Leslie)	Parking	signage
37 Provide more curb extensions in sidewalk	Pedestrian safety	construction
38 Speed cushions on slip road from Rt 1	Speeding	construction
39 Do not add new sidewalks where they are missing	Resident concern	construction
40 Raise signals at Russell	Safety	signals
41 Utility poles block the sidewalk	Pedestrian safety	construction
42 Provide better lane designation signage approaching Mt Vernon	Safety	signage
43 Blind spot from EB Monroe to SB Dewitt	Pedestrian safety	signage
44 Provide sidewalk on Leslie to connect to Monroe	Pedestrian safety	construction
45 Increase parking for Park	Parking	parking
46 Install speed boards between Mt Vernon and Commonwealth	Speeding	signage
47 Install Leading Pedestrian Interval at intersections of Mt Vernon and Commonwealth	Pedestrian safety	signals
48 Fix the pitch of the road near Newton with resurfacing to reduce ponding	Maintenance	construction
49 Upgrade bus stops to ADA compliance between Mt Vernon and Commonwealth	Pedestrian safety	construction

# Response to Concerns

- **Most comments** were incorporated into proposal
  - Intersection improvements
  - Pedestrian crossing improvements
  - Speed reduction
- **A few comments** will be address through other projects
  - Safe Routes to School
- **Some comments** will be addressed with redevelopment
  - Bury power lines
  - Modify curb lines





# Important Considerations

- City Council adopted plans
  - Transportation Master Plan
  - Pedestrian and Bicycle Mobility Plan
- Complete Streets Policy
  - Consider all street users
- Accessibility requirements
  - Provide facilities for people with disabilities
- Emergency vehicle requirements and access
- Right of way constraints
- Existing and future development
- Cost

# Speed Cushion Criteria

## Eligibility

### ELIGIBLE

#### Local Streets

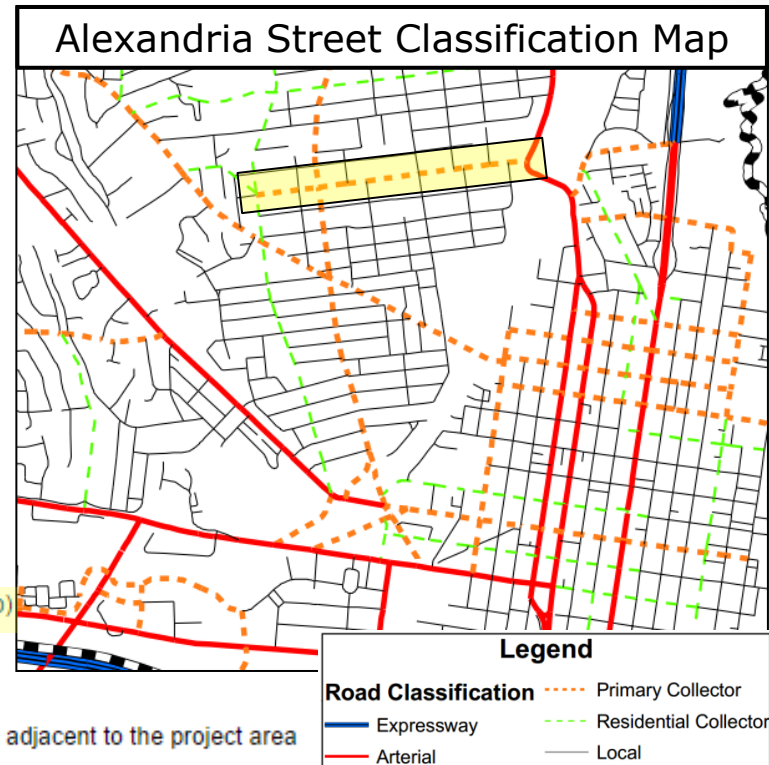
- 85th percentile speeds exceeding the speed limit by 5mph AND
- Minimum of 500 vehicles per day AND
- Minimum segment length of 900 feet

#### Residential Collectors

- 85th percentile speeds exceeding the speed limit by 5mph AND
- Minimum of 1500 vehicles per day AND
- Minimum segment length of 1,200 feet

### INELIGIBLE

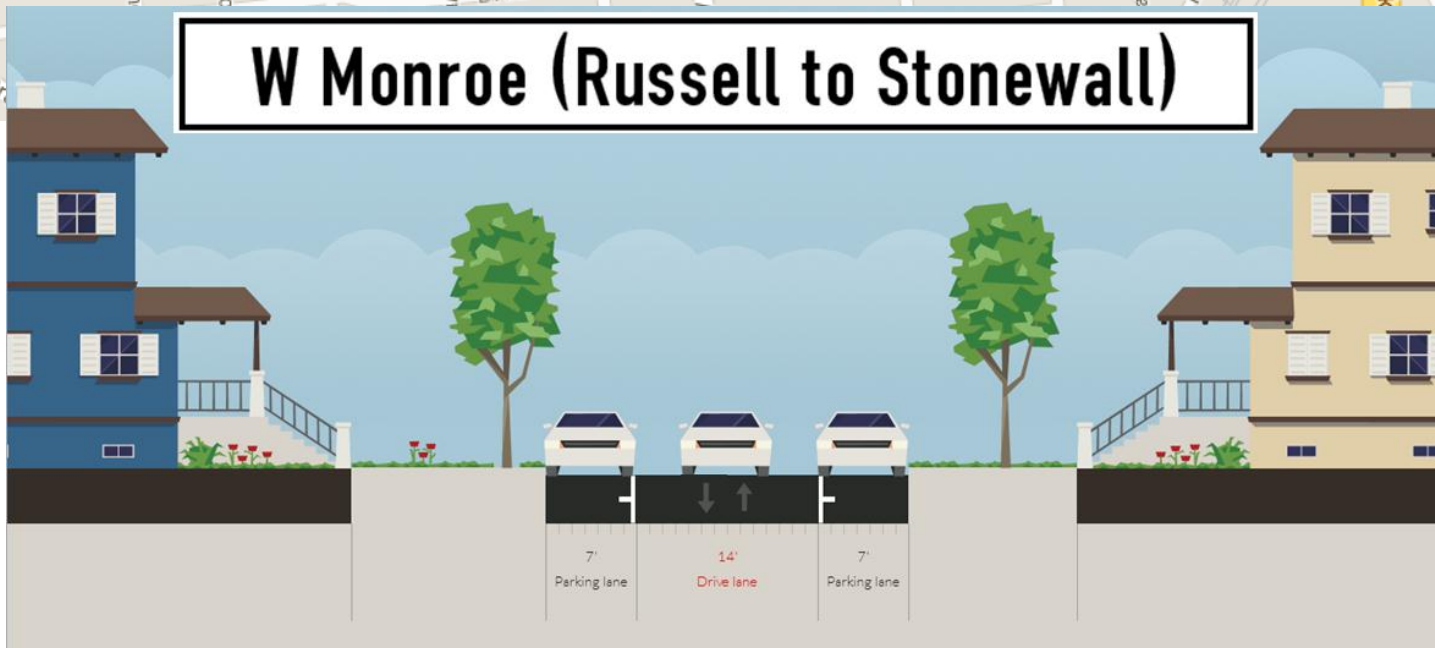
- Any street other than a Local or Residential Collector (street map classification map)
- Denial of a similar request within past 5 years of data collection
- Street is currently in design as part of another Complete Streets project
- Streets that have a Fire Department house or hospital emergency entrance located adjacent to the project area
- Streets that are major transit route
- One way streets must have a travel lanes of at least 9 feet and two way streets must have travel lanes that total at least 18 feet
- Street is less than 900 feet long or is a dead end
- Street has stop signs 300' apart or less
- Private Streets (the City only maintains public streets)



# Section 3: Commonwealth Ave. to Stonewall Rd.



## W Monroe (Russell to Stonewall)



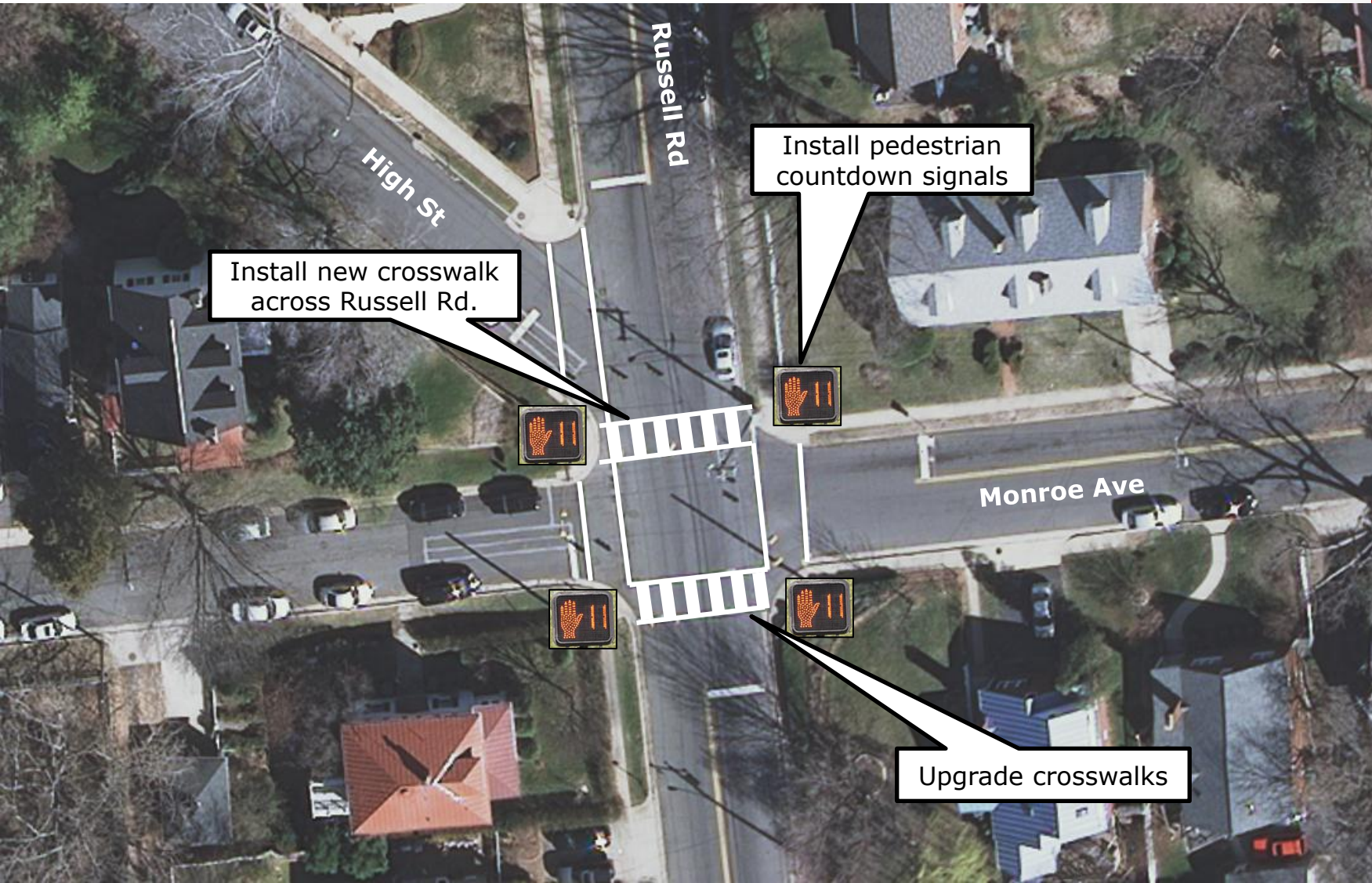
# Section 3: Proposal

- Pedestrian countdown signals at intersection of Monroe Ave. and Russell Rd.
- Upgrade crosswalks at Monroe Ave. and Russell Rd. to high visibility
- Install north leg crosswalk at Russell Rd. and Monroe Ave.
- Install parking stripe along south side of Monroe Ave.
- Install 10 parking spaces on south side of Monroe Ave. between Hancock Ave. and Commonwealth Ave. with 30' of clearance for visibility at Commonwealth Ave.
  - maintains consistent travel lane width
  - adds parking
  - narrows travel lanes to slow vehicles approaching the intersection





# Monroe Ave. at Russell Rd.





# Monroe Ave. between Hancock Ave. & Russell Rd.



# Section 2: Mt. Vernon Ave. to Commonwealth Ave.



**W Monroe (Mt Vernon to Commonwealth Proposed)**

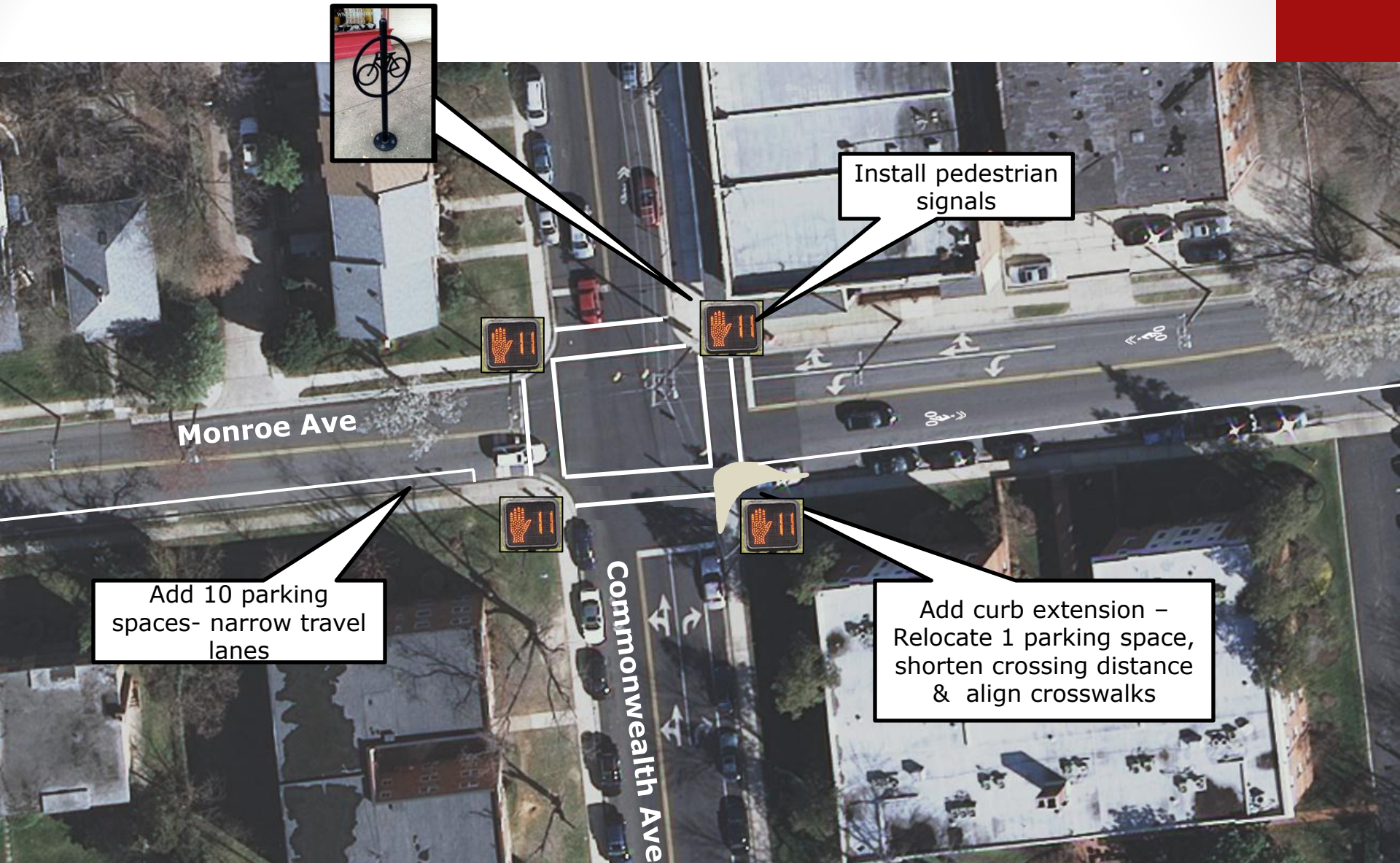


## Section 2: Proposal

- Crosswalks at streets that intersect Monroe Ave.
- Stripe along eastbound Monroe Ave. parking lane
- Sharrows on eastbound and westbound Monroe Ave.
- Crosswalk and curb ramps at Monroe Ave. and Wayne St. with pedestrian signage
- Bus loading pads for westbound Monroe Ave.
- Bus bulb-out at Wayne St. and Monroe Ave. for eastbound AT 10
- Pedestrian countdown signals at Commonwealth Ave. and Monroe Ave.
- Bike racks at Commonwealth Ave. and Monroe Ave.
- Curb extension for southeast corner of Commonwealth Ave. and Monroe Ave.



# Monroe Ave. at Commonwealth Ave. - Proposed



Install pedestrian signals

Monroe Ave

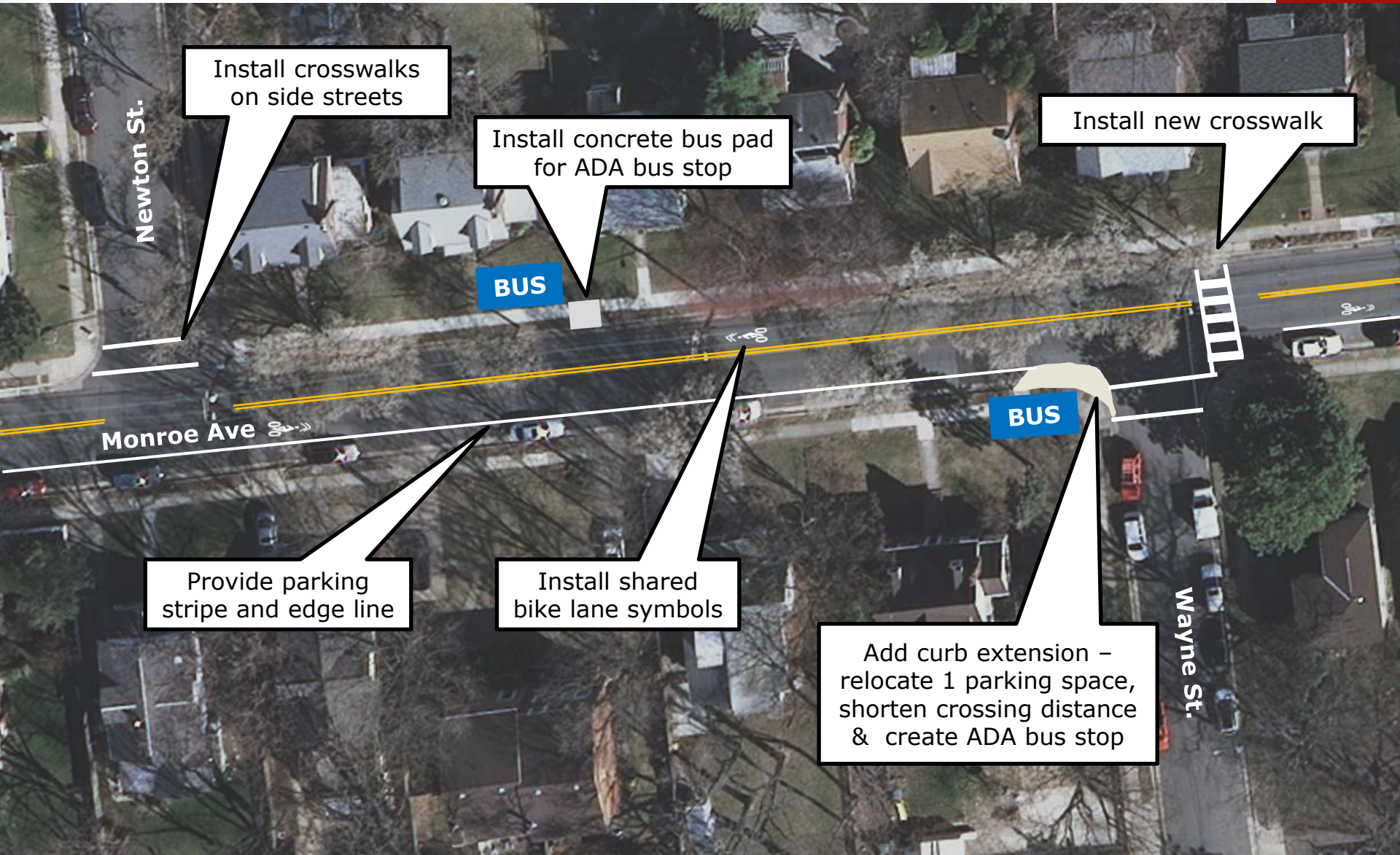
Commonwealth Ave

Add 10 parking spaces- narrow travel lanes

Add curb extension – Relocate 1 parking space, shorten crossing distance & align crosswalks



# Monroe Ave. at Wayne St. and Newton St.



Install crosswalks  
on side streets

Install concrete bus pad  
for ADA bus stop

Install new crosswalk

BUS

BUS

Provide parking  
stripe and edge line

Install shared  
bike lane symbols

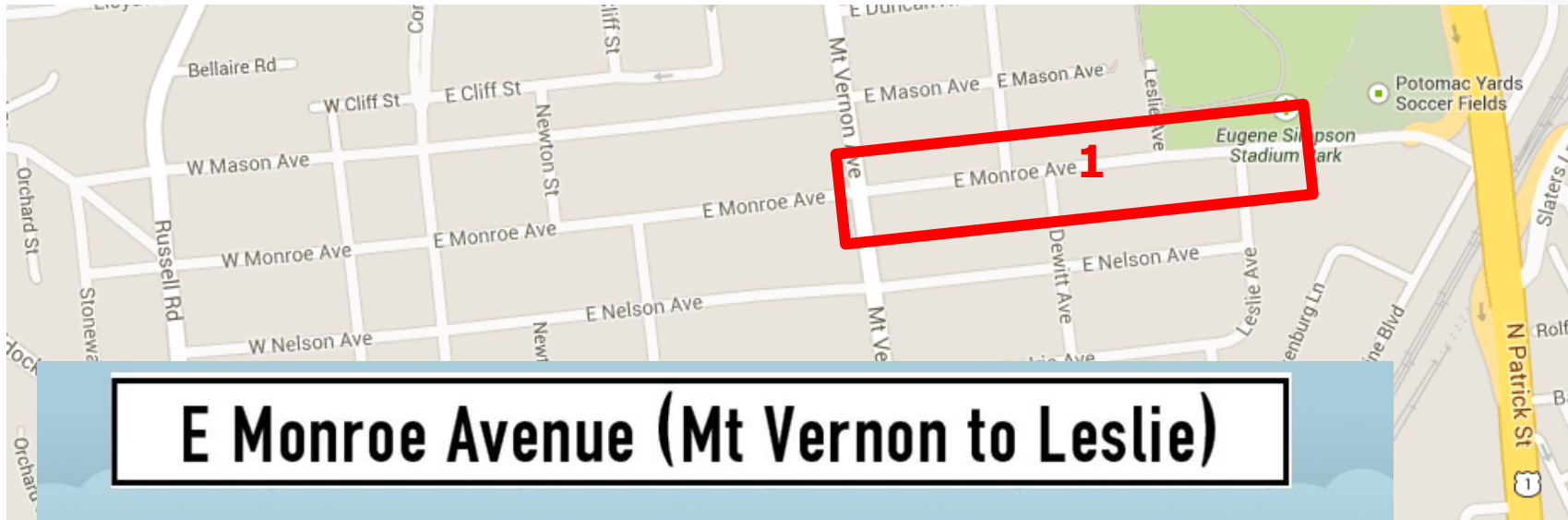
Add curb extension –  
relocate 1 parking space,  
shorten crossing distance  
& create ADA bus stop

Wayne St.

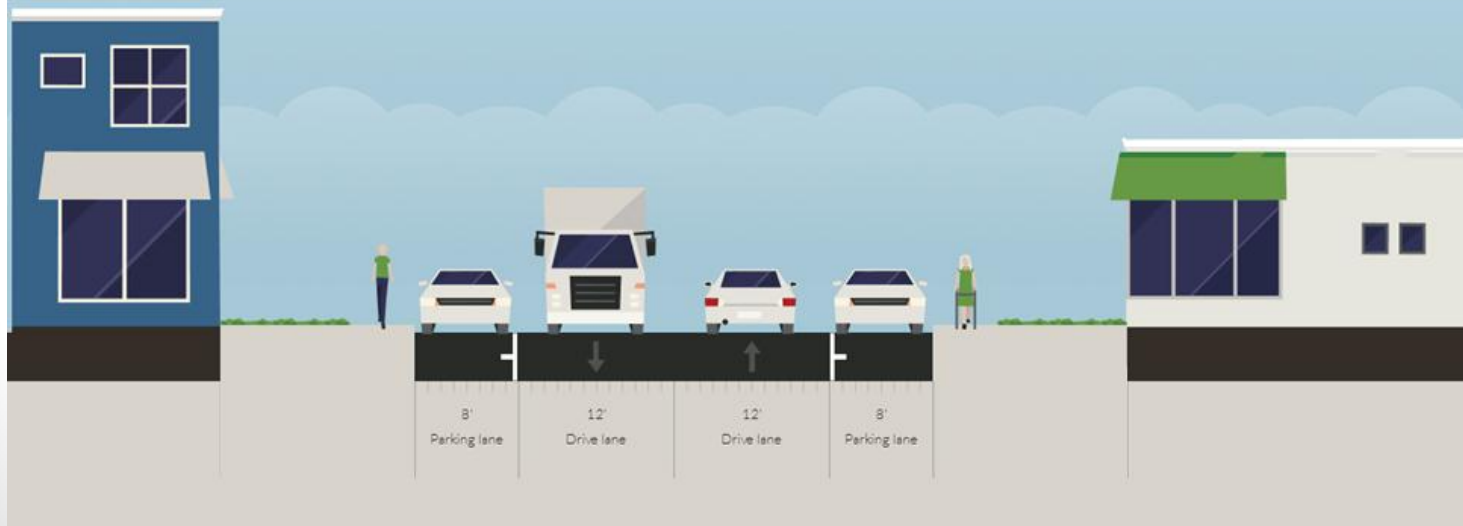
Newton St.

Monroe Ave

# Section 1: Leslie Ave. to Mt. Vernon Ave. - Pedestrian



**E Monroe Avenue (Mt Vernon to Leslie)**

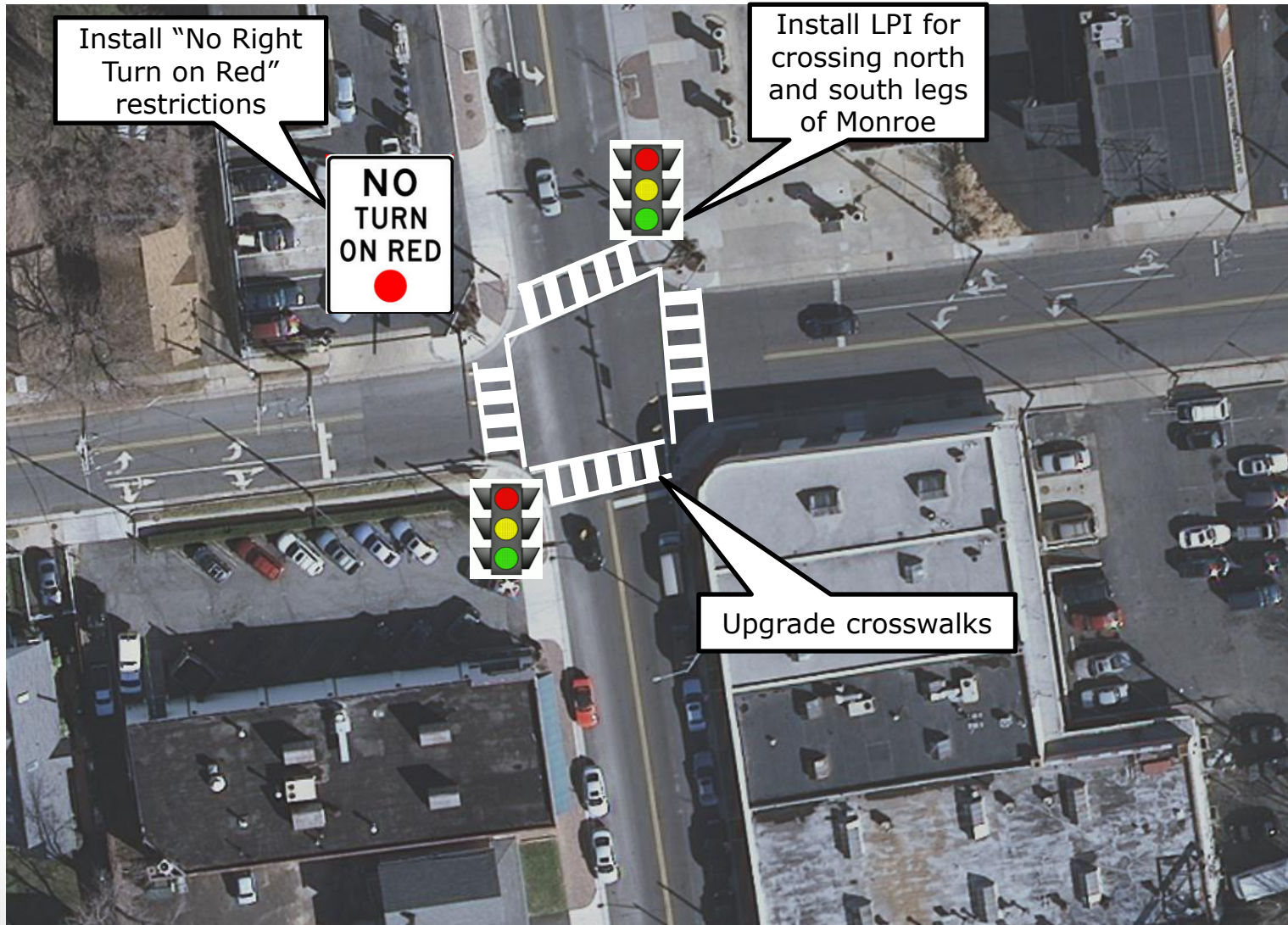


# Section 1: Proposal

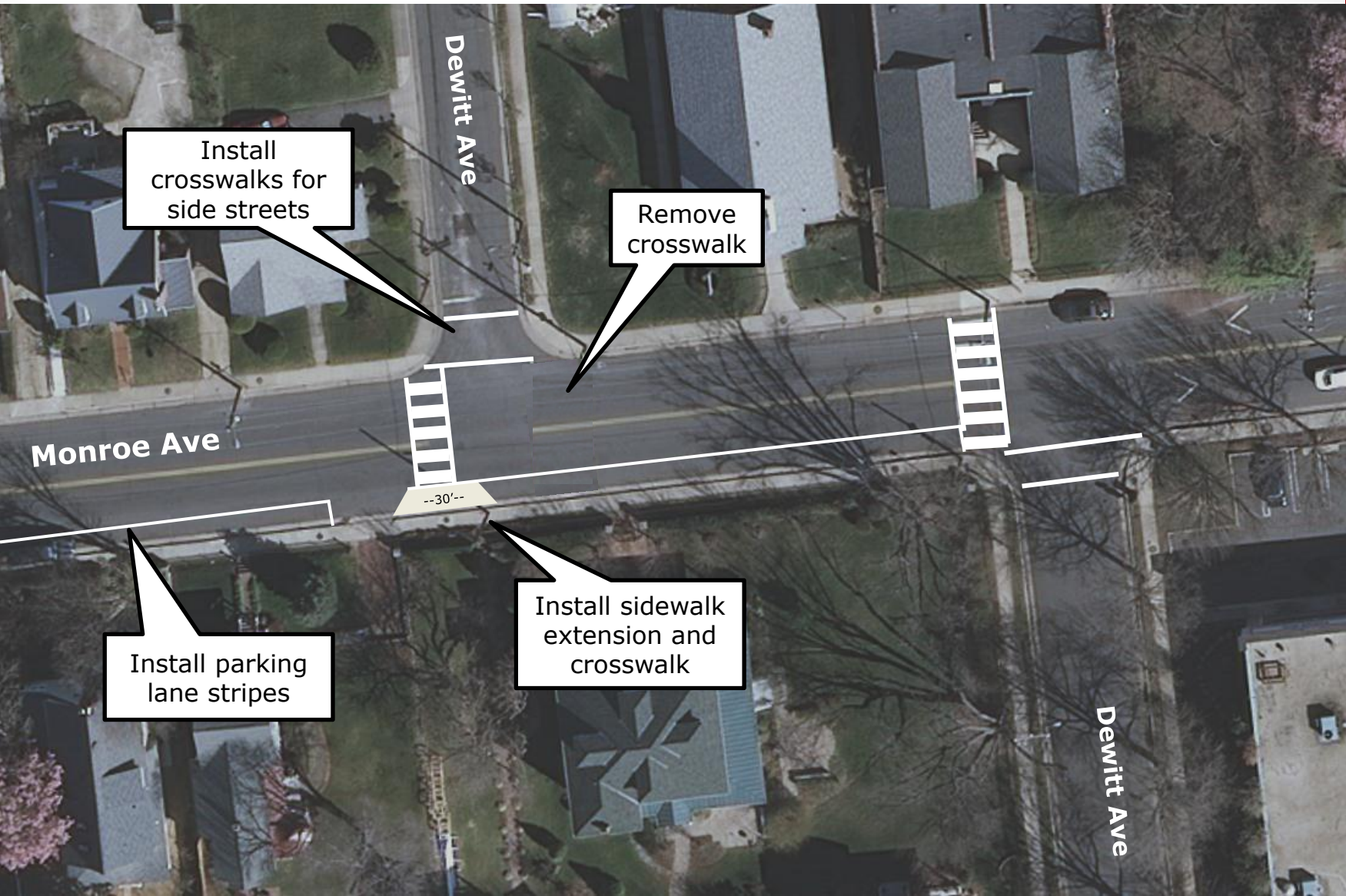
- Provide Leading Pedestrian Interval (LPI) for crossing Mt. Vernon Ave. and No Right on Red signage at Mt. Vernon Ave.
- Upgrade crosswalks at Mt. Vernon Ave. to high visibility
- Upgrade crosswalk from Route 1 slip ramp to high visibility and look at pedestrian signage and markings
- Provide bicycle parking at Simpson Park
- Install crosswalks for side streets
- Upgrade speed cushions to new standard
- Consolidate crosswalks
- Install sidewalk extension at Dewitt Ave.
- Install bicycle facilities



# Mt. Vernon Ave. at Monroe Ave. - Proposed



# Monroe Ave. at Dewitt Ave.



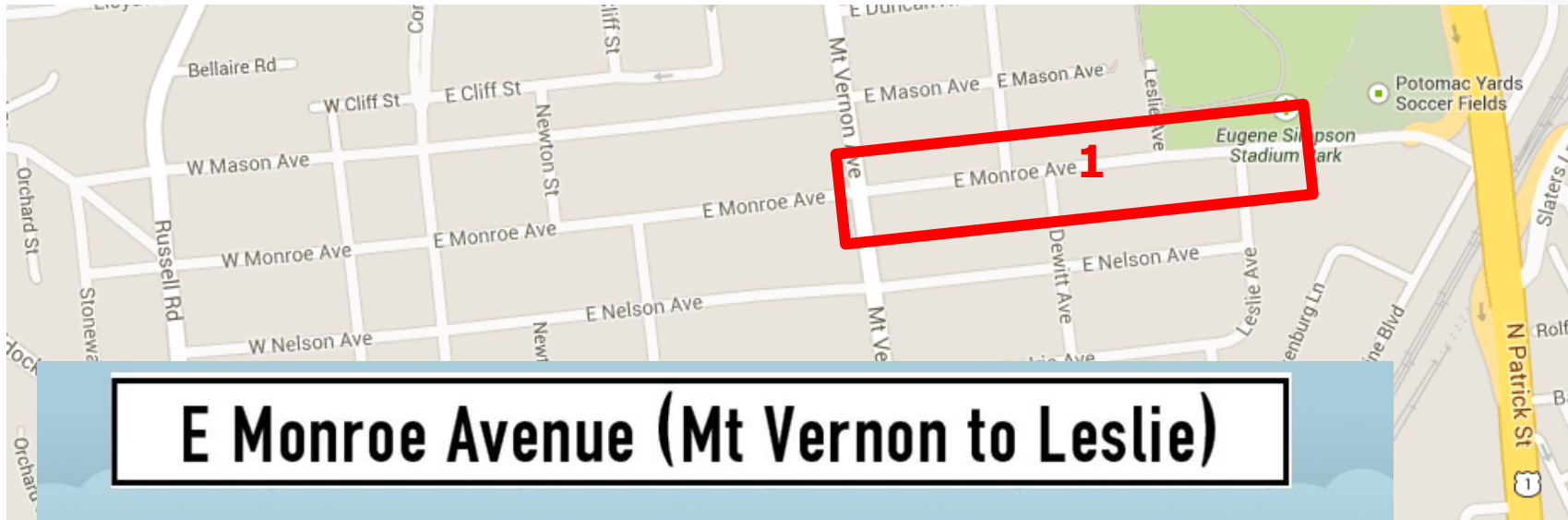


# Proposed Crosswalks

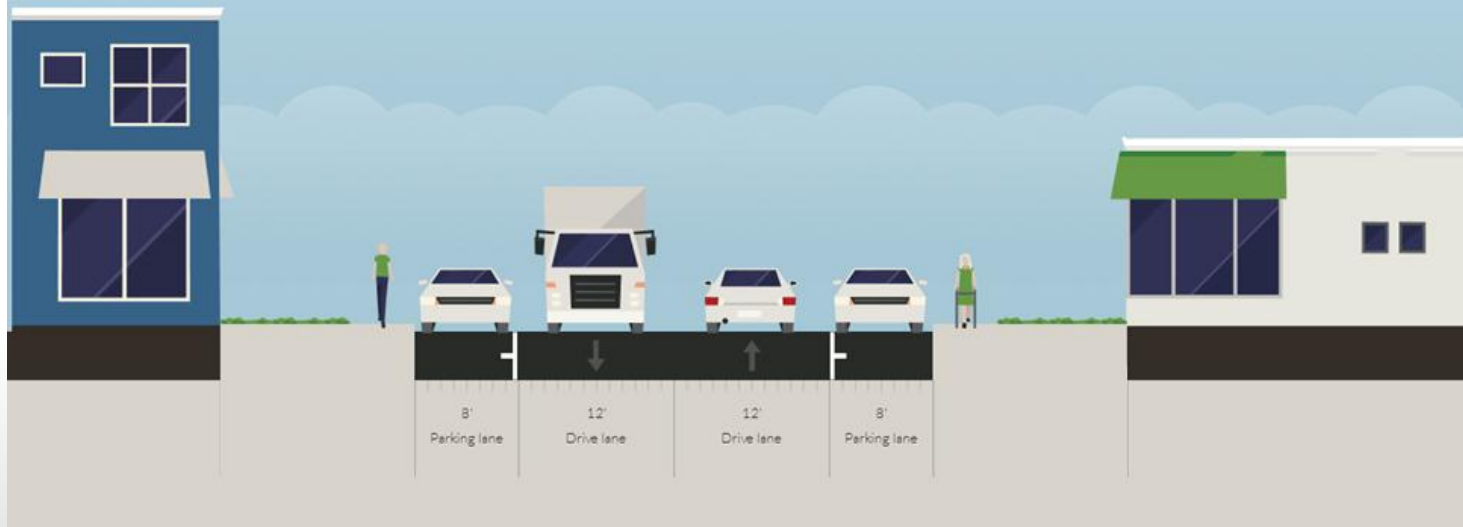
Monroe Avenue Complete Streets



# Section 1: Leslie Ave. to Mt. Vernon Ave. - Bicycle



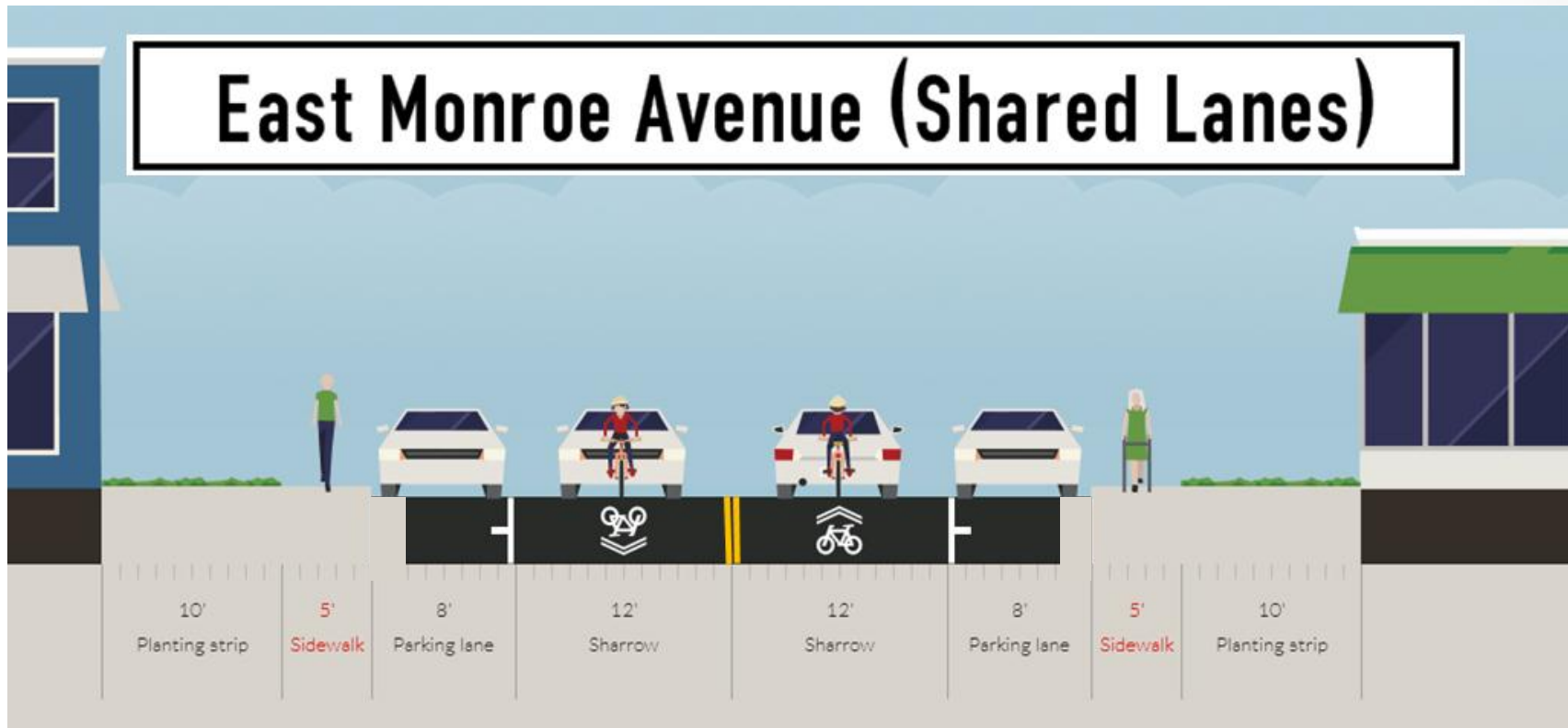
**E Monroe Avenue (Mt Vernon to Leslie)**





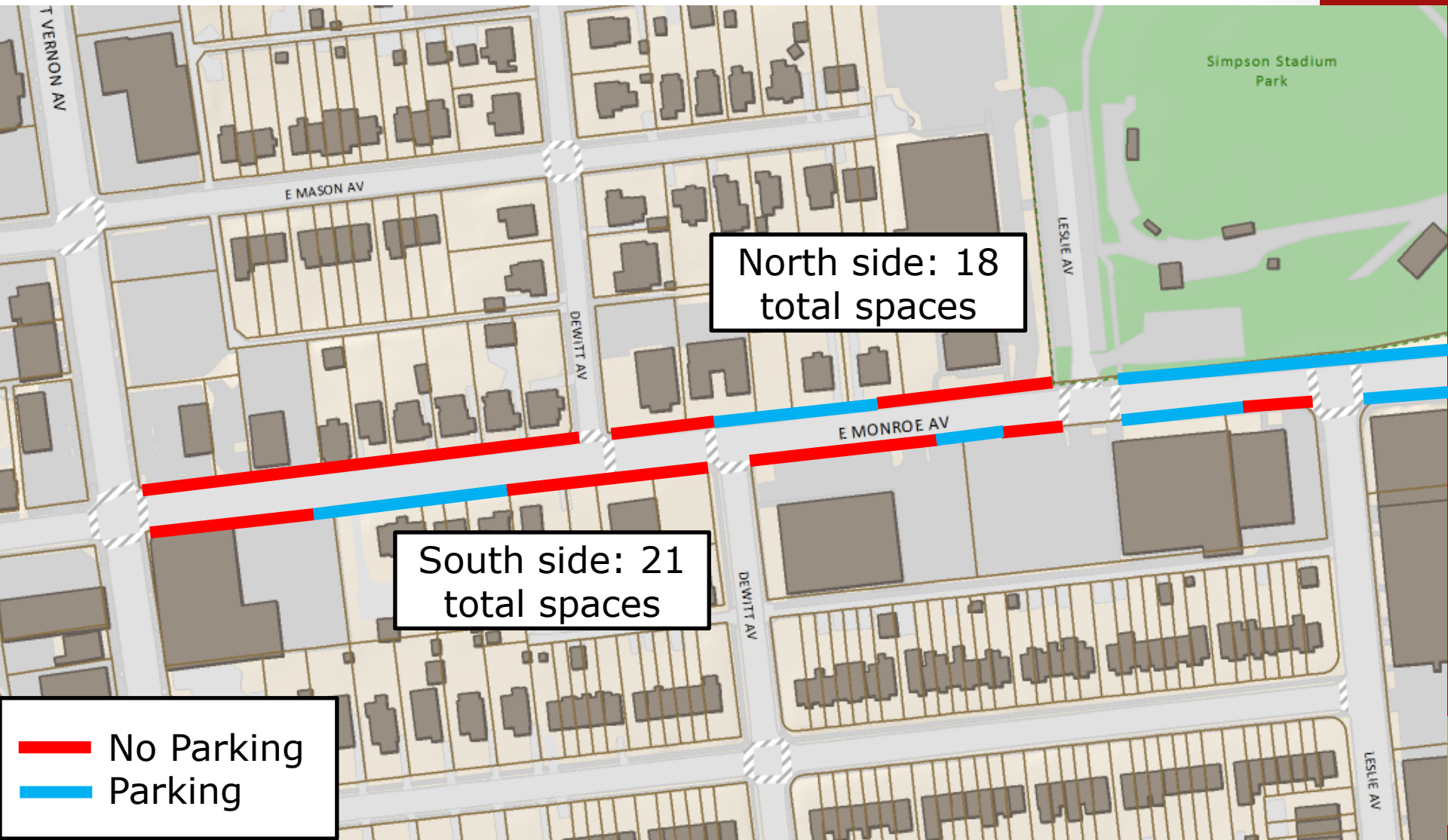
# Option 1: Shared Lanes

## East Monroe Avenue (Shared Lanes)

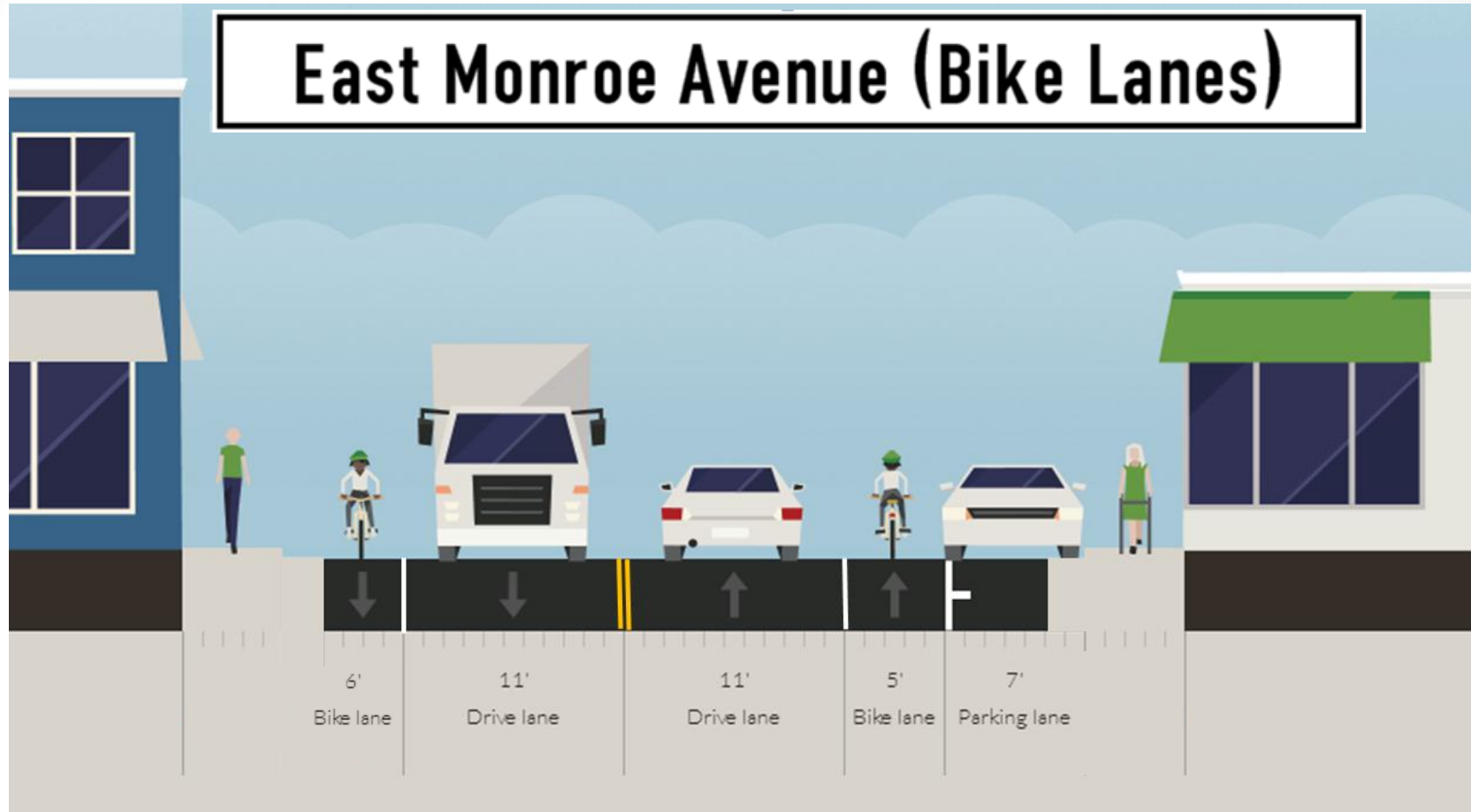


- Parking remains as is
- Bicyclist and motorist share the lane

# Existing Conditions

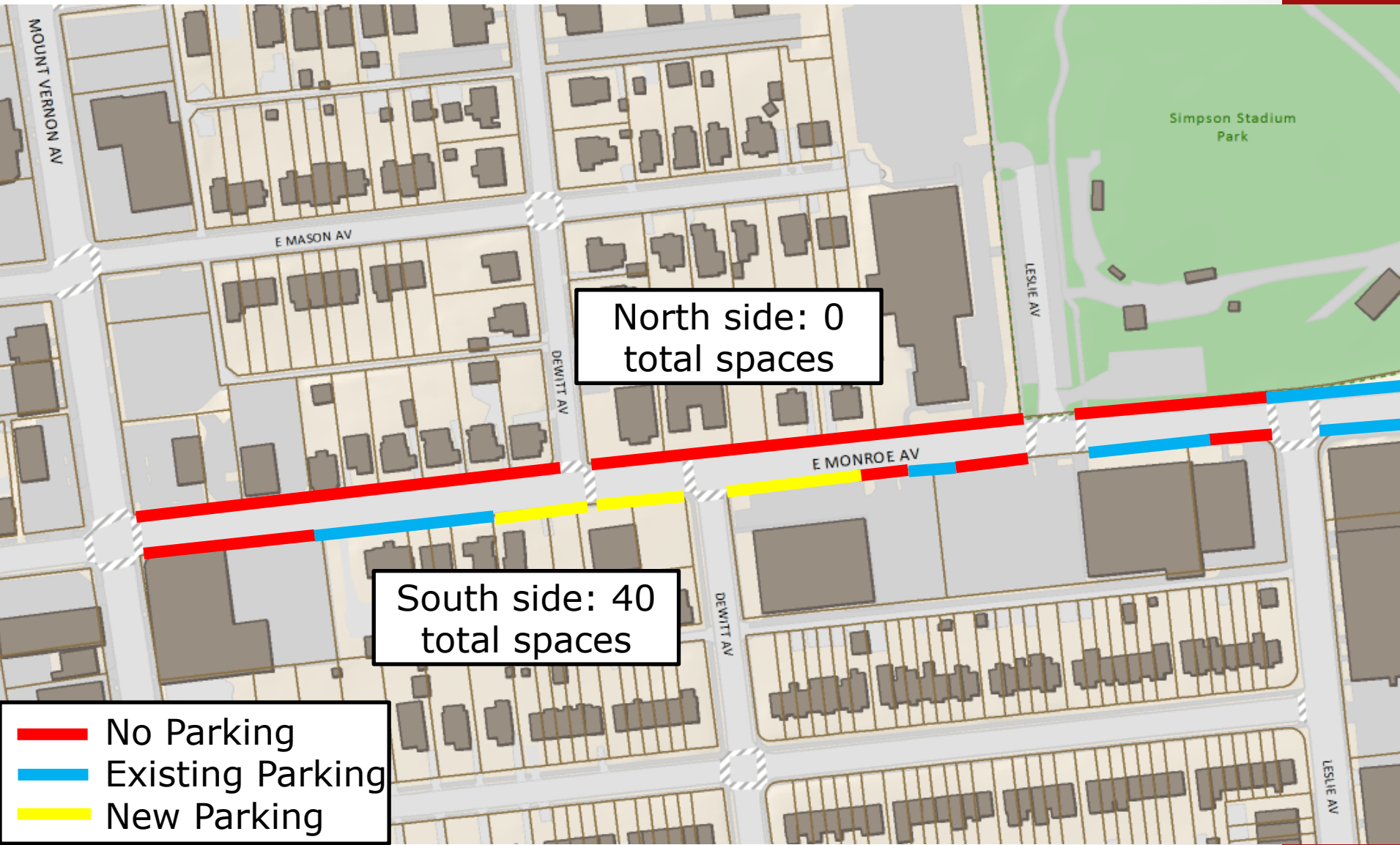


# Option 2: Bike Lanes to Leslie

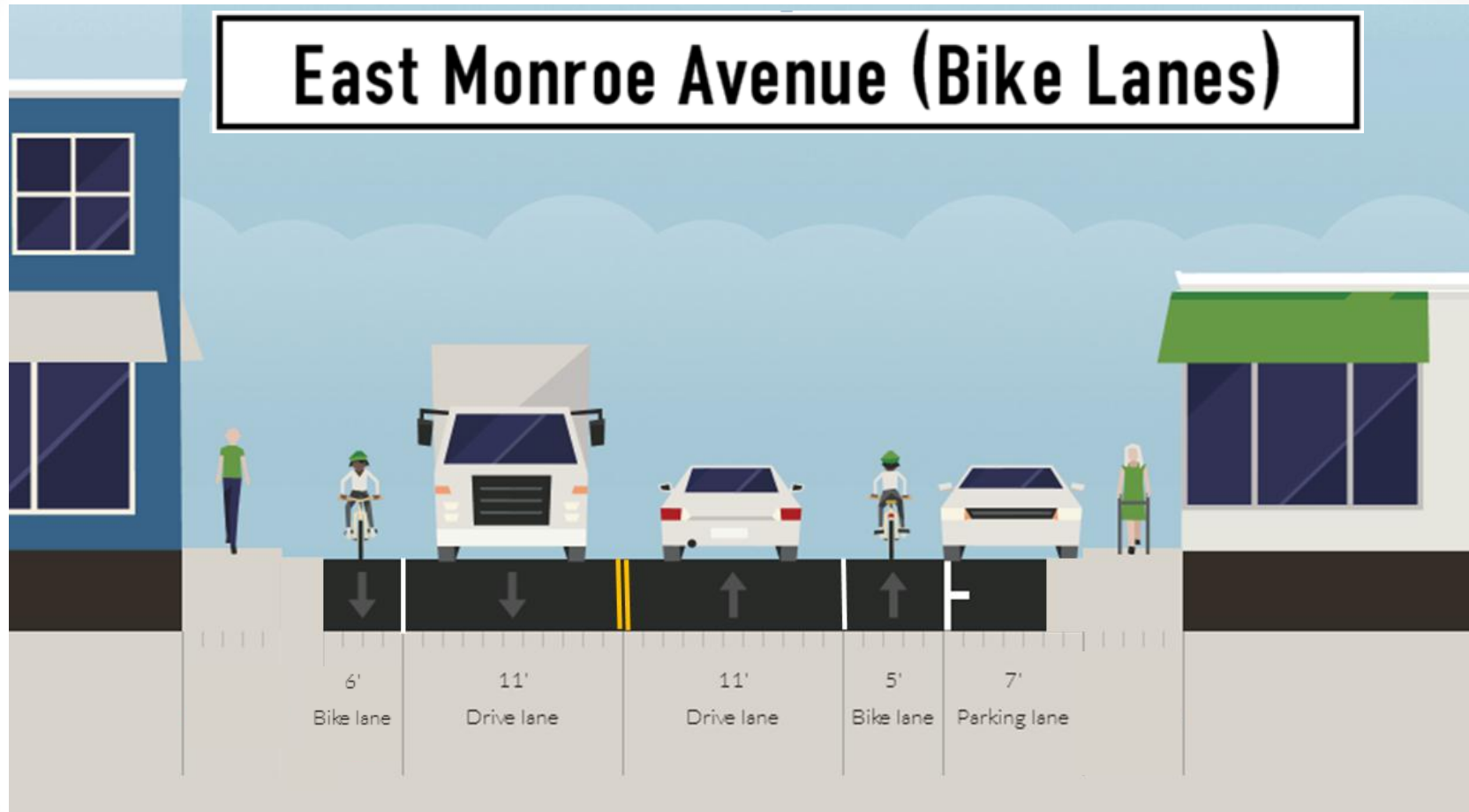


- Move parking to south side (no net loss)
- Narrow travel lanes
- Install bike lanes in both directions

# Proposed Parking 1



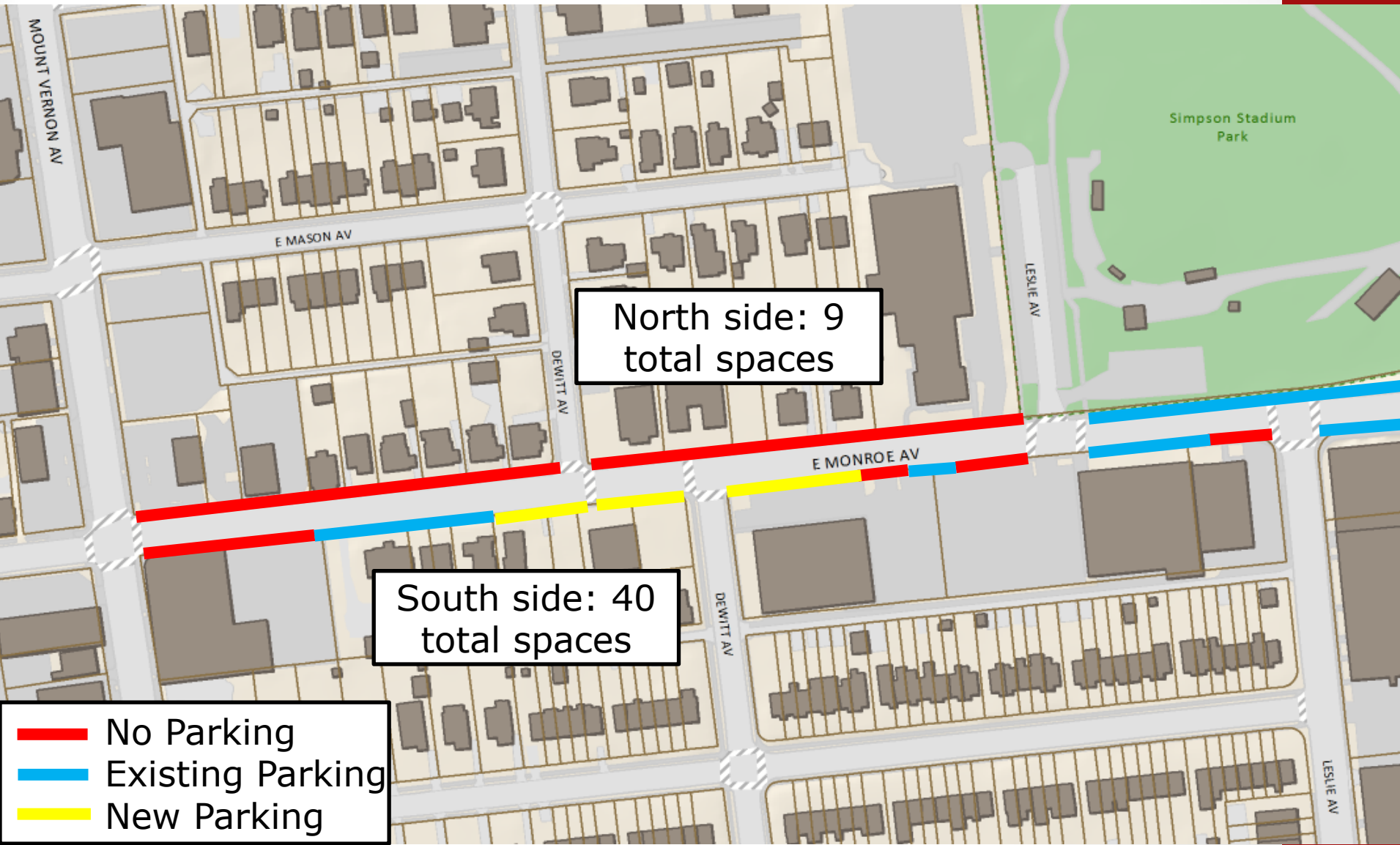
# Option 3: Bike Lanes to Park



- Move parking to south side (no net loss)
- Narrow travel lanes
- Install bike lanes in both directions



# Proposed Parking 2



# Considerations

Project Goals	Bike Lanes	Shared Lanes
Provides direct bicycle route along corridor	X	X
Provides designated space for all street users	X	
Consistent with Pedestrian and Bicycle Mobility Plan recommendations	X	
Reduces travel speeds	X	

# Next Steps

- Del Ray Citizen's Association Meeting
- Traffic and Parking Board
- Curb and gutter work Fall/Spring 2015
- Spring/Summer 2015 Implementation





# Thank You.

## Questions, Comments and Discussion

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